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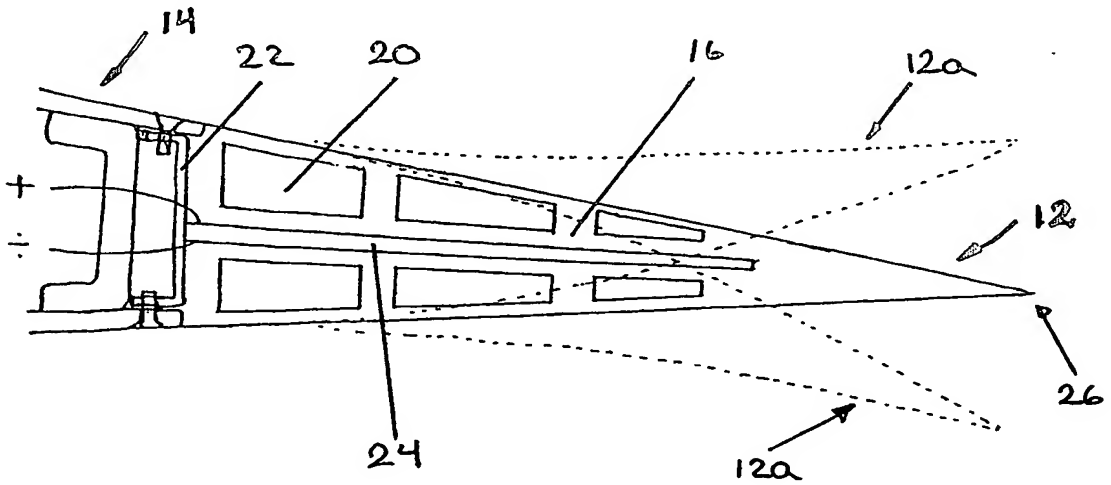
(54) Title: CONTROL OF POWER, LOADS AND/OR STABILITY OF A HORIZONTAL AXIS WIND TURBINE BY USE OF VARIABLE BLADE GEOMETRY CONTROL



(57) Abstract: The present invention relates to a design concept by which the power, loads and/or stability of a wind turbine may be controlled by typically fast variation of the geometry of the blades using active geometry control (e.g. smart materials or by embedded mechanical actuators), or using passive geometry control (e.g. changes arising from loading and/or deformation of the blade) or by a combination of the two methods. The invention relates in particular to a wind turbine blade, a wind turbine and a method of controlling a wind turbine.

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